

Appendix B. Classification of Programs

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Science and engineering		Science and engineering	
Biological and agricultural sciences		Biological and agricultural sciences	
Agricultural sciences		Agricultural sciences	
01.05	Taxidermy/taxidermists	005	Animal breeding/genetics
01.08	Agriculture extension/communications	007	Animal husbandry
01.09	Animal sciences	010	Animal nutrition
01.10	Food sciences/technology	012	Dairy science
01.11	Plant sciences	014	Poultry science
01.12	Soil sciences	019	Animal sciences, other
01.99	Agriculture/agricultural sciences, other	020	Agronomy/crop science
03.01	Natural resources conservation	025	Agricultural/horticultural plant breeding/genetics
03.02	Natural resources management/protective services	030	Plant pathology/phytopathology
03.03	Fishing and fisheries sciences/management	032	Plant protection/pest management
03.05	Forestry/forest management	039	Plant sciences, other
03.06	Wildlife/wildlands management	040	Food sciences
03.99	Natural resources conservation, other	042	Food distribution
26.0707	Agricultural animal physiology	043	Food science
		044	Food sciences/technology, other
		045	Soil sciences
		046	Soil chemistry/microbiology
		049	Soil sciences, other
		050	Horticulture science
		054	Fish and wildlife
		055	Fishing and fisheries sciences/management
		060	Wildlife management
		065	Forestry science
		066	Forest sciences/biology
		068	Forest engineering
		070	Forest management/resources
		072	Wood science and pulp/paper technology
		074	Natural resources conservation, other
		079	Forestry and related sciences, other
		080	Wildlife/range management
		081	Environmental science
		098	Agricultural science, general
		099	Agricultural science, other
		580	Environmental science
Biological Sciences		Biological Sciences	
19.0505	Food systems administration	100	Biochemistry
26.01	Biology, general	103	Biomedical sciences
26.0202	Biochemistry	105	Biophysics
26.0203	Biophysics	107	Biotechnology research
26.0204	Molecular biology	110	Bacteriology
26.0209	Radiation biology/radiobiology	115	Plant genetics
26.03	Botany/plant biology	120	Plant pathology/phytopathology
26.0401	Cell/cellular biology and histology	125	Plant physiology
26.0403	Anatomy	129	Botany/plant biology
26.0405	Neurosciences	130	Anatomy
26.05	Microbiology/bacteriology	133	Biometrics/biostatistics
26.0504	Virology	136	Cell/cellular biology and histology
26.0505	Parasitology	139	Ecology
26.0599	Immunology	140	Hydrobiology
26.07	Zoology	142	Developmental biology/embryology
26.08	Genetics, plant/animal	145	Endocrinology
26.09	Medical neurobiology	148	Entomology
26.0910	Pathology	151	Biological immunology
26.10	Pharmacology/toxicology	154	Molecular biology
26.1101	Biometrics	156	Microbiology/bacteriology
26.1102	Biostatistics	157	Microbiology
26.12	Biotechnology research	160	Neuroscience
26.13	Ecology	163	Nutritional sciences
26.1302	Marine/aquatic biology	166	Parasitology
26.1303	Evolutionary biology	169	Toxicology
26.99	Biological sciences/life sciences, other	170	Genetics, human/animal
30.10	Biopsychology	171	Genetics
30.19	Nutritional sciences	175	Pathology, human/animal

30.24	Neuroscience	180	Pharmacology, human/animal
		185	Physiology, human/animal
		186	Animal/plant physiology
		189	Zoology, other
		198	Biology/biological sciences, general
		199	Biology/biomedical sciences, other
Computer sciences		Computer sciences	
11.01	Computer/information sciences, general	400	Computer science
11.02	Computer programming	410	Information science/systems
11.03	Data processing technology/technician	419	Computer/information science, other
11.04	Information sciences/systems		
11.05	Computer systems analysis		
11.07	Computer science		
11.08	Web page design, computer graphics, database management		
11.09	Computer systems networking and telecommunications		
11.10	System administration, networking, management		
11.99	Computer/information sciences, other		
Earth, atmospheric, and ocean sciences		Earth, atmospheric, and ocean sciences	
Atmospheric sciences		Atmospheric sciences	
40.0401	Atmospheric sciences/meteorology, general	510	Atmospheric chemistry/climatology
40.0402	Atmospheric chemistry/climatology	512	Atmospheric physics/dynamics
40.0403	Atmospheric physics/dynamics	514	Meteorology
40.0404	Meteorology	518	Atmospheric science/meteorology, general
40.0499	Atmospheric science/meteorology, other	519	Atmospheric science/meteorology, other
Earth sciences		Earth sciences	
40.0601	Geology	540	Geology
40.0602	Geochemistry	542	Geochemistry
40.0603	Geophysics/seismology	544	Geophysics/seismology
40.0604	Paleontology	545	Geophysics (solid earth)
40.0605	Hydrology/water resources sciences	546	Paleontology
40.0606	Geochemistry/petrology	548	Mineralogy/petrology
40.0699	Geological and related sciences, other	549	Mineralogy, petrology, geochemistry
		550	Stratigraphy/sedimentation
		552	Geomorphology/glacial geology
		554	Applied geology
		555	Applied geology/geological engineering
		558	Geological/earth sciences, general
		559	Geological/earth sciences, other
		585	Hydrology/water resources
Oceanography		Oceanography	
40.0607	Oceanography	590	Oceanography
		595	Marine sciences
		599	Ocean/marine sciences, other
Mathematics		Mathematics	
27.01	Mathematics, general	420	Applied mathematics
27.03	Applied mathematics	425	Algebra
27.05	Mathematical statistics	430	Analysis/functional analysis
27.99	Mathematics/statistics, other	435	Geometry/geometric analysis
52.1302	Business statistics	440	Logic
52.1304	Actuarial science	445	Number theory
		450	Mathematical statistics
		455	Topology
		460	Computing theory/practice
		465	Operations research
		498	Mathematics/statistics, general
		499	Mathematics/statistics, other
Physical sciences		Physical sciences	
Astronomy		Astronomy	
40.0201	Astronomy	500	Astronomy
40.0202	Astrophysics	505	Astrophysics
40.0299	Astronomy/astrophysics, other	506	Astronomy/astrophysics
Chemistry		Chemistry	
40.0501	Chemistry, general	520	Analytical chemistry
40.0502	Analytical chemistry	521	Agricultural/food chemistry
40.0503	Inorganic chemistry	522	Inorganic chemistry
40.0504	Organic chemistry	524	Nuclear chemistry

40.0506	Physical/theoretical chemistry	526	Organic chemistry
40.0507	Polymer chemistry	528	Medicinal/pharmaceutical chemistry
40.0508	Chemical physics	530	Physical chemistry
40.0599	Chemistry, other	532	Polymer chemistry
51.2004	Medicinal/pharmaceutical chemistry	534	Theoretical chemistry
		538	Chemistry, general
		539	Chemistry, other
Physics		Physics	
40.0801	Physics, general	560	Acoustics
40.0802	Chemical and atomic/molecular physics	561	Chemical and atomic/molecular physics
40.0804	Elementary particle physics	562	Electron physics
40.0805	Plasma/high-temperature physics	563	Electromagnetism
40.0806	Nuclear physics	564	Elementary particle physics
40.0807	Optics/optical sciences	565	Biophysics
40.0808	Solid state/low-temperature physics	566	Fluids
40.0809	Acoustics	567	Mechanics
40.0810	Theoretical/mathematical physics	568	Nuclear physics
40.0899	Physics, other	569	Optics/photonics
		570	Plasma/high-temperature physics
		572	Polymer physics
		573	Thermal physics
		574	Solid state/low-temperature physics
		575	Theoretical physics
		576	Applied physics
		578	Physics, general
		579	Physics, other
Other physical sciences		Other physical sciences	
40.01	Physical sciences, general	599	Physical sciences, other
40.99	Physical sciences, other		
Psychology		Psychology	
42.01	Psychology, general	600	Clinical psychology
42.02	Clinical psychology	603	Cognitive psychology/psycholinguistics
42.03	Cognitive psychology/psycholinguistics	606	Comparative psychology
42.04	Community psychology	609	Counseling psychology
42.05	Comparative psychology	612	Developmental/child psychology
42.06	Counseling psychology	613	Human development/family studies
42.07	Developmental/child psychology	615	Experimental psychology
42.08	Experimental psychology	616	Experimental, comparative, physiological psychology
42.09	Industrial/organizational psychology	618	Educational psychology
42.10	Personality psychology	619	Human engineering
42.11	Physiological psychology/psychobiology	620	Family psychology
42.16	Social psychology	621	Industrial/organizational psychology
42.19	Psychometrics	624	Personality psychology
42.20	Clinical child psychology	627	Physiological psychology/psychobiology
42.21	Environmental psychology	630	Psychometrics
42.22	Geropsychology	633	Quantitative psychology
42.23	Health/medical psychology	636	School psychology
42.24	Psychopharmacology	639	Social psychology
42.25	Family psychology	648	Psychology, general
42.26	Forensic psychology	649	Psychology, other
42.99	Psychology, other		
51.1507	Psychoanalysis		
51.3603	Hypnotherapy		
Social sciences		Social sciences	
Economics		Economics	
01.0103	Agricultural economics	000	Agricultural economics
45.06	Economics	666	Economics
		668	Econometrics
Political science		Political science	
44.04	Public administration	674	International relations/affairs
44.05	Public policy analysis	678	Political science/government
44.99	Public administration/services, other	679	Political science/public administration
45.09	International relations/affairs	682	Public policy analysis
45.10	Political science/government	976	Public administration
Sociology		Sociology	
45.05	Demography/population studies	662	Demography/population studies
45.11	Sociology	686	Sociology

Other social sciences

05	Area, ethnic, cultural, gender studies
16.0102	Linguistics
30.1101	Gerontology
30.1501	Science, technology, society
30.1701	Behavioral sciences
30.2001	International/global studies
30.2301	Intercultural/multicultural and diversity studies
45.01	Social sciences, general
45.02	Anthropology
45.03	Archeology
45.04	Criminology
45.07	Geography
45.10	Canadian government/politics
45.12	Urban affairs/studies
45.99	Social sciences/history, other
53.3201	Bioethics/medical ethics
54.0000	Social sciences/history
54.0404	History/philosophy of science and technology

Engineering

Aeronautical/astronautical engineering	
14.02	Aerospace, aeronautical, astronautical engineering

Chemical engineering

14.07	Chemical engineering
14.25	Petroleum engineering
14.32	Polymer/plastics engineering

Civil engineering

14.04	Architectural engineering
14.08	Civil engineering
14.14	Environmental/environmental health engineering

Electrical engineering

14.09	Computer engineering
14.10	Electrical, electronics, communications engineering
14.38	Surveying engineering

Mechanical engineering

14.11	Engineering mechanics
14.19	Mechanical engineering

Materials/metallurgical engineering

14.06	Ceramic sciences/engineering
14.18	Materials engineering
14.20	Metallurgical engineering
14.31	Materials science

Other engineering

14.01	Engineering, general
14.03	Agricultural engineering
14.05	Bioengineering/biomedical engineering
14.12	Engineering physics
14.13	Engineering science
14.15	Geological engineering
14.16	Geophysical engineering
14.21	Mining/mineral engineering
14.22	Naval architecture/marine engineering
14.23	Nuclear engineering
14.24	Ocean engineering
14.27	Systems engineering
14.28	Textile sciences/engineering
14.29	Engineering design
14.34	Forest engineering
14.37	Operations research
14.39	Geological engineering
14.99	Engineering, other
45.0702	Cartography

Other social sciences

650	Anthropology
652	Area studies
658	Criminology
670	Geography
690	Statistics
694	Urban affairs/studies
698	Social sciences, general
699	Social sciences, other
710	History/philosophy of science and technology
729	Linguistics
770	American studies
773	Archeology

Engineering

Aeronautical/astronautical engineering	
300	Aerospace, aeronautical, astronautical engineering

Chemical engineering

312	Chemical engineering
366	Petroleum engineering
369	Polymer/plastics engineering
547	Fuel technology/petroleum engineering

Civil engineering

315	Civil engineering
336	Environmental health engineering

Electrical engineering

318	Communications engineering
321	Computer engineering
322	Electrical engineering
323	Electronics engineering
324	Electrical, electronics, communications engineering

Mechanical engineering

327	Engineering mechanics
345	Mechanical engineering

Materials/metallurgical engineering

309	Ceramic sciences
342	Materials science
348	Metallurgical engineering

Other engineering

303	Agricultural engineering
306	Bioengineering/biomedical engineering
330	Engineering physics
333	Engineering science
351	Mining/mineral engineering
354	Naval architecture/marine engineering
357	Nuclear engineering
360	Ocean engineering
363	Operations research
372	Systems engineering
375	Textile engineering
398	Engineering, general
399	Engineering, other

Non-science and engineering

Education

13	Education
31.05	Health/physical education
39.0401	Religious education
42.1701	School psychology
42.1801	Educational psychology
51.0913	Athletic training/trainer

Health

Medical sciences

51	Health professions/related clinical sciences
60.01	Dentistry
60.02	Medicine/surgery
60.03	Veterinary medicine
26.0503	Medical microbiology/bacteriology
26.0988	Medical physiology

Humanities

English/literature

16.0104	Comparative literature
16.1200	Classics/languages
23	American/English languages, literatures

Foreign languages/literatures

16	Foreign languages/literatures
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Non-science and engineering

Education

800	Curriculum/instructions
805	Education administration/supervision
806	Education leadership
810	Education/instructional media design
815	Education statistics/research methods
820	Education assessment/testing/measures
822	Educational psychology (see also 618)
825	School psychology (see also 636)
830	Social/philosophical foundations of education
835	Special education
840	Counseling education/counseling and guidance services
845	Education evaluation/research
850	Pre-elementary/early childhood teacher education
852	Elementary teacher education
854	Junior high teacher education
856	Secondary teacher education
858	Adult/continuing teacher education
861	Art education
862	Business education
864	English education
866	Foreign languages education
867	Physical education, health, recreation
870	Home economics education
876	Music education
880	Physical education/coaching
882	Reading education
886	Speech education
888	Trade/industrial education
889	Teacher education, specific academic/vocational programs, other
898	Education, general
899	Education, other

Health

Medical sciences

205	Dentistry
210	Environmental health
215	Public health
219	Public health/epidemiology
220	Epidemiology
225	Medicine/surgery
235	Optometry/ophthalmology
240	Pharmacy
250	Veterinary science

Other health sciences

200	Speech/language pathology and audiology
212	Health systems/services administration
224	Hospital administration
230	Nursing
245	Rehabilitation/therapeutic services
298	Health sciences, general
299	Health sciences, other

Humanities

English/literature

720	Classics
723	Comparative literature
725	English/American literature
732	Literature, American
733	Literature, English
734	English language
736	Speech/rhetorical studies
738	Letters, general
739	Letters, other

Foreign languages/literatures

740	French
743	German
746	Italian

749 Spanish
 752 Russian
 755 Slavic (other than Russian)
 758 Chinese
 762 Japanese
 765 Hebrew
 768 Arabic
 769 Other languages/literature

History
 54 History

History
 700 History, American
 705 History, European
 718 History, general
 719 History, other

Religion/theology
 38.02 Religious studies
 39 Theology/ministries

Religion/theology
 790 Religion (see also 984)
 791 Religion/theology
 984 Theology/religious education (see also 790)

Other humanities
 24 Liberal arts/other humanities
 38.01 Philosophy
 50 Visual/performing arts

Other humanities
 785 Philosophy (see also 440)
 798 Humanities, general
 799 Humanities, other

Professional fields
 Business/management
 01.01 Agricultural business/management
 01.03 Agricultural production operations
 01.05 Agricultural/domestic animal services
 01.06 Horticultural operations
 14.3701 Operations research
 52 Business, management, marketing, related support services

Professional fields
 Business/management
 002 Agricultural business/management
 900 Accounting
 905 Banking/financial support services
 910 Business administration/management
 915 Business/manAGERIAL economics
 917 Management information systems/business data processing
 920 Marketing management/research
 925 Business statistics
 930 Operations research (see also 363, 465)
 935 Organizational behavior (see also 621)
 938 Business management/administrative services, general
 939 Business management/administrative services, other

Information fields (journalism, broadcasting, librarianship)
 09 Communications
 10 Communications technologies
 25 Library science

Information fields (journalism, broadcasting, librarianship)
 940 Communications research
 945 Journalism
 947 Mass communications
 950 Radio/television
 957 Communication theory
 958 Communications, general
 959 Communications, other
 972 Library science

Other professional fields
 04 Architecture/related programs
 12 Personal/culinary services
 15 Engineering-related technologies
 19 Home economics/family studies
 22 Law and legal studies
 28 Reserve officer training corps (ROTC)
 29 Military technologies
 30 Multi-/interdisciplinary studies
 31 Parks/recreation/leisure/fitness
 32 Basic skills
 33 Citizenship activities
 34 Health related knowledge/skills
 35 Interpersonal/social skills
 36 Personal awareness/self-improvement
 41 Science technologies
 43 Protective services
 44 Public administration/social services professions
 46 Construction trades
 47 Mechanic/repair technologies
 48 Precision production trades
 49 Transportation/materials moving workers

Other professional fields
 964 Home economics
 968 Law
 974 Parks/recreation/leisure/fitness
 980 Social service professions
 988 Professional fields, general
 989 Professional fields, other
 999 Other fields